1st & Final Bill

BR 257/30-6-16

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work: Improvement to drain at HMT Layout 2nd Block 6th Cross & surrounding in ward No: 09 Vidyaranyapura.						
	Est. Cost: Rs 20. Lakhs						
	Job code: 009-16-000014.						
	Adm No: CE/YNK/76/15-16/Dt: 14-12-2015						
	Tech No: TS/EE(RTP)/236/15-16 Dt: 14.12.2015						
	Workord: EE/RTP/WO/260/15-16/Dt: 26-02-2015.						
	Agency: T.K. Shankarappa.						
	Recorded on: 29-6-16						
	(1) Earth work excavation by manual means in ordinary soil Involving an average lift up						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ag
Date of commencement of work ...

Date	Full description, etc, of w
1	2
	upto 2.mts & leveling & earth to be EH complete Pre-measu

BR 257/30-6-16

BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
ent to drain at HMT Layout 45 Cross & surrounding : 09 Vide page no.			
0014			
6/15-16/At: 14-12-2015			
P)/236/15-16 At: 19.12.2015			
0/260/15-16/At: 26-02-2015.			
uk Sappa.			
by manual means ing on average lifting			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 265303

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Upto 2.mtrs Lift upto 0.5m Excavated Earth Levelled & Sides neatly dressed. Soil disposed Earth to be levelled neatly after breaking of Clods & Complete. as Per Specification. Pre-measurement Vide BNO: 2653 To/Page: (1). i.e Total Qty 1026.09 m3						
	Qty upto 1.25m. @ Rs 81.07		329.79 m3			Rs 26736.00	
	Qty above 1.25m. @ Rs 80.98		696.30 m3.			Rs 56387.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(2) Removing R.C. Slab of drain & stacking at complete as per specification. Pre-Measurement vide P.No: 265372/Item No: (2). i/c total Qty 2654.10m²						
	Qty upto 125 t.					1647.25m² @ Rs 60.00/m²	Rs 98835=00
	Qty above 125 t.					1006.85m² @ Rs 62.05/m²	Rs 62476=00
	(3) Refixing stone slab of drain & Pointing in CM(1:3) Pre-Measurement vide P.No: 265372/Item No: (3). i/c Total Qty 2654.10m²						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Qty upto
	Qty above
(4)	Raising & laying in Mix 1:4:8 with 25 dia graded st 0.85mm & fine c Cement laid in well compacted

OK

Depth 6	Contents 7	Reference to last Measurement 8
	Plastering & complete	
	265372/I&M No. ②	
	Qty 2654.10 m²	
	7.25 m²	
	Rs 60.00/m²	Rs 98835=00
	6.85 m²	
	Rs 62.05/m²	Rs 62476=00
	& Raising in CM(1:3)	
	265372/I&M No. ③	
	Qty 2654.10 m²	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

265304

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Qty upto	125	1.e	1647.25 m² @ Rs 70.00/m²			Rs 115308=00
	Qty above	125	1.e	1006.85 @ Rs 76.77/m²			Rs 77300=00
④	Raising & laying in Position Plain cement Concrete of Mix 1:4:8 with OPC cement @ 180 kg/m³ 40mm & down size graded granite metal (coarser aggregate @ 0.85 cum & fine aggregate @ 0.57 cum machine mixed concrete laid in proper wet Consistency 15 cm thick well compacted in foundation & plinth including						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cost of all materials, labour, Hire & machinery cutting etc complete as per specification.						
	Pre measurement vide RNO: 265373/IT.NO: (4)						
	i.e 1872 m².						
	@ Rs 5049.10/m²						Rs 94519=00
(5)	Providing & constructing pre-cast concrete solid blocks wet compressive strength not less than 35 kg/sqcm wet cement mortar 1:4 masonry (grain, sand, closer blocks) wet solid cement blocks of size 40x20x20 cm conforming to IS 2185/1979 in super structure including cost of material labour charges, scaffolding, curing etc. complete.						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	
	HMT 2nd Blk 6th Cross RHS	2
		2
		2
		2
		2
		2
		2
		1
	Checked. INO (5)	2
	M. 30/6	2
	J.E. (WORKS)	2
		2
		2
		2

BOOK

s		Contents	Reference to last Measurement
adth 5	Depth 6	7	8
		& reaching ceiling	
		ilation.	
		: 26537 3/IT.NO : (4)	
		i.e 18.72 sq.	
		5049.10/m³	Rs 94519=00
		-Cem Concrete Foll	
		engths not less than	
		tar 1:4 Rough ory (Granite,	
		ailed Cement blocks &	
		m to IS 2185/1979 in Super	
		Including Labour charges,	
		ompletion.	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 265305

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Hall 2nd Flr 6th Cross R/S	2	30.00	–	0.40	24.00m²	
		2	30.00	–	0.40	24.00m²	
		2	30.00	–	0.40	24.00m²	
		2	30.00	–	0.40	24.00m²	
		2	30.00	–	0.40	24.00m²	
		2	30.00	–	0.40	24.00m²	
		1	14.00	–	0.40	11.20m²	
		2	16.00	–	0.40	12.80m²	
		2	30.00	–	0.40	24.00m²	
		2	30.00	–	0.40	24.00m²	
		2	30.00	–	0.40	24.00m²	
		2	30.00	–	0.40	24.00m²	
		2	30.00	–	0.40	24.00m²	
		2	30.00	–	0.40	24.00m²	

Checked. IN(5)

∴ 30/6.

S.O. (30, 2)

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2	30.00	–	0.40	24.00 m²	
		2	13.90	–	0.40	11.12 m²	
		2	13.00	–	0.40	10.40 m²	
						333.52 m²	
			Limit			332.80 m²	
		Qty upto 125/.				305.00 m²	
				@ Rs		1010.00/m²	Rs 308050=00
		Qty above 125/.				27.80 m²	
				@		991.76/m²	Rs 2757=00
(6)	Providing & laying in Position plain concrete of M15 1:2:4 with cement @ 240 kg per 20mm & down size graded granite Metal coarse aggregate @						

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	
	0.278 cum @ time of pla... concrete laid in lower ... compacted. In foo... cost & all Materials ... (Vent) 6 no Cons R/S	1 1 1 1 1 1 1

OOK

	Depth 6	Contents 7	Reference to last Measurement 8
	0.40	24.00 m²	
	0.40	11.12 m²	
	0.40	10.40 m²	
		333.52 m²	
		332.80 m²	
		305.00 m²	
		1010.40/m²	Rs 3080.80=00
		2.78 m²	
		991.76/m²	Rs 2757.1=00

is Concrete of Mix 1:2:4
ovum by dam Rza
ovum aggregate (40)

M. A. R. 57 (Rule 116)
Measurement Book

No. B

265306

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	0.78 cum by fine aggregate @ 0.459 cum Proportion mixed Concrete laid in layer not exceeding 15cm thick well compacted. In foundation, Plinth & Cills. Including cost & all Material Labour, Hire & Tools, Curing etc. (Vent) 6" Cross R/S	1	30.00	0.45	0.125	1.68 m³	
		1	30.00	0.45	0.125	1.68 m³	
		1	30.00	0.45	0.125	1.68 m³	
		1	30.00	0.45	0.125	1.68 m³	
		1	30.00	0.45	0.125	1.68 m³	
		1	30.00	0.45	0.125	1.68 m³	
		1	30.00	0.45	0.125	1.68 m³	
		1	14.00	0.45	0.125	0.78 m³	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	16.40	0.45	0.125	0.90m3	
	6" Cross R/S	1	30.40	0.45	0.125	1.68m3	
		1	30.40	0.45	0.125	1.68m3	
		1	30.40	0.45	0.125	1.68m3	
		1	30.40	0.45	0.125	1.68m3	
		1	30.40	0.45	0.125	1.68m3	
		1	30.00	0.45	0.125	1.68m3	
		1	13.90	0.45	0.125	0.78m3	
		1	13.00	0.45	0.125	0.73m3	
	Coping 6" Cross R/S	1	30.40	0.20	0.075	0.90m3	
		2	30.40	0.20	0.075	0.90m3	
		2	30.00	0.20	0.075	0.90m3	
		2	30.40	0.20	0.075	0.90m3	

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	
	6" Cross R/S	

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

OK

Depth 6	Contents 7	Reference to last Measurement 8
0.125	0.90m3	
0.125	1.68m3	
0.125	1.68m3	
0.125	1.68m3	
0.125	1.68m3	
0.125	1.68m3	
0.125	0.78m3	
0.125	0.73m3	
0.075	0.90m3	
0.075	0.90m3	
0.075	0.90m3	
0.075	0.90m3	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 265307

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	GF Cross W/S	2	30.00	0.20	0.075	0.90m3	
		2	30.00	0.20	0.075	0.90m3	
		2	14.00	0.20	0.075	0.42m3	
		2	16.00	0.20	0.075	0.48m3	
		2	30.00	0.20	0.075	0.90m3	
		2	30.00	0.20	0.075	0.90m3	
		2	30.00	0.20	0.075	0.90m3	
		2	30.00	0.20	0.075	0.90m3	
		2	30.00	0.20	0.075	0.90m3	
		2	30.00	0.20	0.075	0.90m3	
		2	13.90	0.20	0.075	0.41m3	
		2	13.00	0.20	0.075	0.39m3	
						35.85m3	

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	after cleaning the surface of all dirt, dust, & other foreign matter & sand Repairing including cost of all material labour complete.						
	Qty vide Item No: (11) i.e 166.40 m²						
	@ Rs 51.40/m²					Rs 8553=00	
(13)	Lead for Disposal of debris shall be payable at Lead Rate by Mechanical means including loading & unloading from 0.00 to 11.90 km etc. complete.						
	Qty vide It. No: (1)						
	Qty upto 125 i.e 329.79 m3.					Rs 32979=00	
	@ 100.00/m3						

Serial No. .....
Name of Work ..... F
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
	Qty	ab
14)	providing granite & dressed & fixed in curing the compl	
	6th Cross R/s	

OK

Depth 6	Contents 7	Reference to last Measurement 8
	all dirt, dust, &	
	...ating including	
	...rk.	
	i.e 166.40 m²	
	40/m²	Rs 8553=00
	...ll be payable at	
	...eans including	
	...m 0.00 to 0.90 m	
	9.79 m³.	Rs 32979=00
	...0/m³	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 265311

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Qty	above 125				696.39 m² @ Rs 103.55/m³	Rs 72103=00
	14) providing granite slab of selected quality roughly dressed & bisected in CM (1:6) including fixing during the complex,						
	6" Cross R/s	1	30.10	-	0.90	27.10 m²	
		1	30.10	-	0.90	27.10 m²	
		1	30.10	-	0.90	27.10 m²	
		1	30.10	-	0.90	27.10 m²	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	64 Cum 4/s	1	30.00	–	0.90	27.00 m²	
		1	30.00	–	0.90	27.00 m²	
		1	14.00	–	0.90	12.60 m²	
		1	16.00	–	0.90	14.40 m²	
		1	30.00	–	0.90	27.00 m²	
		1	30.00	–	0.90	27.00 m²	
		1	30.00	–	0.90	27.00 m²	
		1	30.00	–	0.90	27.00 m²	
		1	30.00	–	0.90	27.00 m²	
		1	30.00	–	0.90	27.00 m²	
		1	13.90	–	0.90	12.51 m²	
		1	13.00	–	0.90	11.70 m²	
						375.21 m²	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	CR Mohan Assistant Engineer Vidyaranyapura SBMP, Bangalore
(15)	Providing Chain... inside of Rev... shall be recor...

	Contents	Reference to last Measurement
epth 6	7	8
.90	27.00 m²	
.90	27.00 m²	
.90	12.60 m²	
.90	14.40 m²	
.90	27.00 m²	
.90	27.00 m²	
0.90	27.00 m²	
0.90	27.00 m²	
0.90	27.00 m²	
0.90	27.00 m²	
0.90	12.5 m²	
0.90	11.70 m²	
	375.21 m²	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

265312

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents R/P	Reference to last Measurement 8
						375.21 m²	
				Unit		252.90 m²	
				@ Rs 774.50/m²			Rs 195758=00
(15)	Providing Chamfering & edges to Stone slab 2.5cm wide as per Specification Labour (Only Chamfered length shall be recorded)						
		695	3.00	–	–	2084.50 m	
				Unit		1390.00 m	
				@ Rs	34.71/mt		Rs 48242=00

Assistant Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

MEASUREMENT BOOK

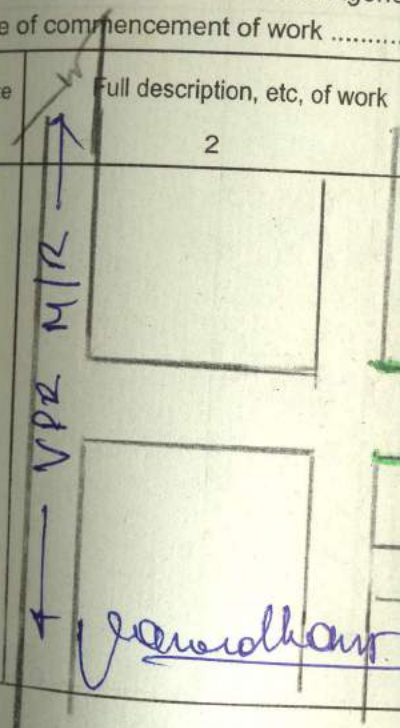
Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(16)	Providing two line dressing to granite stone slab granite stone masonry.						
	Vide Qty Sheet No: (14) @ Rs 900.26/m²					i.e 252.90 m² Rs 227675=00	
	CERTIFICATE					total Rs 19,26,676=00	
	Unit is certified that work done satisfactory.					1926548-00	
	Varadhan 26/6/16						
	Measured 27/6/16						

Assistant Engineer
Vidyaranyapura
BBMP, Bangalore - 97

KEY PLAN.

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

Date	Full description, etc, of work
1	2



BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
		...y to Granite Stone Slab	
		(4) r/e 252.90 M²	
		Rs 900.26/M² L.227675=00	
		total Rs 19,26,676=00	
		1926548-00	
		Varadhan 25/6/16	

KEY PLAN.

M. A. R. 57 (Rule 116)
Measurement Book

265313

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents	Reference to last Measurement 8
	L/S L=206.90						
	← 6ft Cross →						
	R/S L=210=00						
	← 5ft Cross →						
	Varadhan						

Assistant Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

BP-257
30/6/16

MEASUREMENT BOOK

Date	Full description of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1		3	4	5	6	7	8
	Audited & Admitted for Rs 1926540-00 1299714-00 Dt and Rs 131826-00 Accts Supdt. Byatarayanapura Dn. Byatarayanapura Dn. BBMP					IT - 19266-00 VAT - 77062-00 LWF 1926-00 CST - 1927-00 SB - 13820-00 Cess - 505-00 Total 131826-00	

I & R Final Bill

SBRNO-76/16-17

Serial No. 30-6-16

Name of Work

Name of Contractor of nature of Agency ...T.

Date of commencement of work

Date	Full description, etc, of work	
1	2	
	Name of work: Est. cost Job code: Adm. no: Tech. no: Work ord: Agency: Recorded on:	T R f R O A T BB T. 2